



# **Increases in waist circumference and weight as predictors of type 2 diabetes in individuals with impaired fasting glucose: influence of baseline BMI: data from the DESIR study**

Submitted by Emmanuel Lemoine on Wed, 12/11/2013 - 17:08

Titre	Increases in waist circumference and weight as predictors of type 2 diabetes in individuals with impaired fasting glucose: influence of baseline BMI: data from the DESIR study
Type de publication	Article de revue
Auteur	Gautier, Alain [1], Roussel, Ronan [2], Ducluzeau-Fieloux, Pierre-Henri [3], Lange, Céline [4], Vol, Sylviane [5], Balkau, Beverley [6], Bonnet, Fabrice [7], DESIR Study Group, [8]
Pays	Etats-Unis
Editeur	American Diabetes Association
Type	Article scientifique dans une revue à comité de lecture
Année	2010
Langue	Anglais
Date	Août 2010
Numéro	8
Pagination	1850-1852
Volume	33
Titre de la revue	Diabetes care
ISSN	1935-5548
Mots-clés	Adult [9], Blood Glucose [10], Body Mass Index [11], Body Weight [12], Diabetes Mellitus, Type 2 [13], Fasting [14], Female [15], Humans [16], Male [17], Middle Aged [18], Odds Ratio [19], Risk Factors [20], Waist Circumference [21]

	<b>OBJECTIVE</b>
	To evaluate in impaired fasting glucose (IFG) the relative importance of increases in waist circumference and weight on progression to type 2 diabetes.
	<b>RESEARCH DESIGN AND METHODS</b>
	The 9-year incidence of diabetes was studied in 979 men and women with baseline IFG, from the Data from an Epidemiological Study on the Insulin Resistance Syndrome (DESIR) cohort.
	<b>RESULTS</b>
Résumé en anglais	Increases in both waist circumference and weight were significantly associated with diabetes incidence. Standardized odds ratios (95% CI) were 1.79 (1.45–2.21) and 1.86 (1.51–2.30), respectively, after controlling for baseline risk factors. The impact of waist circumference increase was greater for BMI <25 kg/m <sup>2</sup> (2.40 [1.63–3.52]) than for BMI ≥25 kg/m <sup>2</sup> (1.66 [1.28–2.16]) and persisted after adjusting for concurrent changes in either insulinemia or the homeostasis model assessment of insulin resistance index. Weight change had a similar impact in both BMI groups.
	<b>CONCLUSIONS</b>
	In individuals with IFG, it is important to monitor and prevent increases in waist circumference, in particular for those with BMI <25 kg/m <sup>2</sup> .
Notes	Erratum in <i>Diabetes Care</i> , Oct. 2010; 33(10): 2294 [22].
URL de la notice	<a href="http://okina.univ-angers.fr/publications/ua282">http://okina.univ-angers.fr/publications/ua282</a> [23]
DOI	10.2337/dc10-0368 [24]
Lien vers le document	<a href="http://dx.doi.org/10.2337/dc10-0368">http://dx.doi.org/10.2337/dc10-0368</a> [24]
Titre abrégé	Increases in waist circumference and weight as predictors of type 2 diabetes in individuals with impaired fasting glucose

## Liens

- [1] [http://okina.univ-angers.fr/publications?f\[author\]=845](http://okina.univ-angers.fr/publications?f[author]=845)
- [2] [http://okina.univ-angers.fr/publications?f\[author\]=849](http://okina.univ-angers.fr/publications?f[author]=849)
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- [21] [http://okina.univ-angers.fr/publications?f\[keyword\]=6100](http://okina.univ-angers.fr/publications?f[keyword]=6100)
- [22] <http://dx.doi.org/10.2337/dc10-er10b>

[23] <http://okina.univ-angers.fr/publications/ua282>

[24] <http://dx.doi.org/10.2337/dc10-0368>

Publié sur *Okina* (<http://okina.univ-angers.fr>)